

CLAIMS

1. An artificial chromosome including a region, between C δ and C γ 3, of the human IgH locus, or a functional part thereof.
2. The chromosome according to claim 1, selected from the group consisting of bacterial, yeast, eukaryotic and mammalian chromosomes.
3. The chromosome according to claim 1, which includes a transcription-binding factor.
4. The chromosome according to claim 1, including 1, 2 or 3 repeat sequences.
5. A non-human animal capable of producing human antibodies, and which has been transformed to include a region, between C δ and C γ 3, of the human IgH locus, or a functional part thereof.
6. The animal according to claim 5, selected from the group consisting of rodents, sheep, horses, pigs, goats, rabbits, chickens and bovine animals.
7. The animal according to claim 5, which includes a transcription-binding factor.
8. The animal according to claim 5, including 1, 2 or 3 repeat sequences.
9. A repertoire of human antibodies or heavy chains, obtained from an animal according to claim 5.
10. A polynucleotide comprising at least a functional enhancer or other expression modifier present in the region, between C δ and C γ 3, of the IgH locus, and a heterologous gene under the control of the modifier.
11. The polynucleotide according to claim 10, wherein the modifier comprises E δ - γ 3.
12. The polynucleotide according to claim 11, which includes a transcription-binding factor.
13. The polynucleotide according to claim 11, including 1, 2 or 3 repeat sequences.

10081599-022002